

SUN CONEC

-Singapore & Malaysia-

Single-fiber Patch cord



Make Connections Much Simpler

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Insertion Loss (IL) and Return Loss (RL)

| | Optical Performance | APC | UPC |
|--------------------|---------------------|------|------|
| Standard | IL (dB) | 0.25 | 0.25 |
| Low Insertion Loss | | 0.15 | 0.15 |
| Standard | RL (dB) | 60 | 50 |
| High Return Loss | | 65 | 55 |

Random Mated

| Attenuation Grades | Description | Test method |
|---------------------------------|--|------------------------|
| Grade A*+ (Undefined in IEC) | ≤0.05dB mean,≤0.10dB max,for ≥97% of connections | IEC 61300-3-34 method1 |
| Grade A* (Undefined in IEC) | ≤0.07dB mean,≤0.15dB max,for ≥97% of connections | IEC 61300-3-34 method1 |
| Grade B | ≤0.12dB mean,≤0.25dB max,for ≥97% of connections | IEC 61300-3-34 method1 |

Fiber Endface Geometry Comparison

| Parameter | APC | UPC |
|---------------------|----------|----------|
| Radius (mm) | 5~12 | 10~25 |
| Apex Offset (μm) | 0~50 | 0~50 |
| Fiber Height (mm) | -100~+50 | -100~+50 |
| Angle Deviation (°) | 7.7~8.3 | N/A |
| Key Angle (°) | ±0.3 | N/A |

OPTICAL PATCHCORD

SCU-SCA-S-09-Z-B

| A-SIDE CONNECTOR TYPE | | B-SIDE CONNECTOR TYPE | | CORE COUNT | | OUTER DIAMETER | | MATERIALS | | OPTICAL FIBER TYPE | |
|-----------------------|--------------|-----------------------|--------------|------------|---------|----------------|-----|-----------|------|--------------------|---------|
| SCU | SC/UPC | SCU | SC/UPC | S | simplex | 09 | 0.9 | Z | LSZH | A | G652D |
| SCA | SC/APC | SCA | SC/APC | D | duplex | 12 | 1.2 | V | PVC | B | G657A1 |
| SCT | SC/APC(step) | SCT | SC/APC(step) | | | 16 | 1.6 | O | OFNP | C | G657A2 |
| FCU | FC/UPC | FCU | FC/UPC | | | 18 | 1.8 | | | D | G657B3 |
| FCA | FC/APC | FCA | FC/APC | | | 20 | 2.0 | | | E | G655 |
| STU | ST/UPC | STU | ST/UPC | | | 30 | 3.0 | | | F | OM1 |
| STA | ST/APC | STA | ST/APC | | | | | | | G | OM2 |
| LCU | LC/UPC | LCU | LC/UPC | | | | | | | H | OM3-150 |
| LCA | LC/APC | LCA | LC/APC | | | | | | | J | OM3-300 |
| UN | UNIBOOT | UN | UNIBOOT | | | | | | | K | OM4 |
| LSH | LSH | LSH | LSH | | | | | | | L | OM5 |

Note: Custom lengths available to meet your requirements.

STANDARD PATCH CORD STRUCTURE

LC-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



SC-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



FC-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



ST-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



STANDARD PATCHCORD STRUCTURE

LSH-TYPE FIBRE OPTIC CONNECTOR PATCH CORD



DUPLEX FIBER OPTIC PATCH CORD



FIBER TYPE

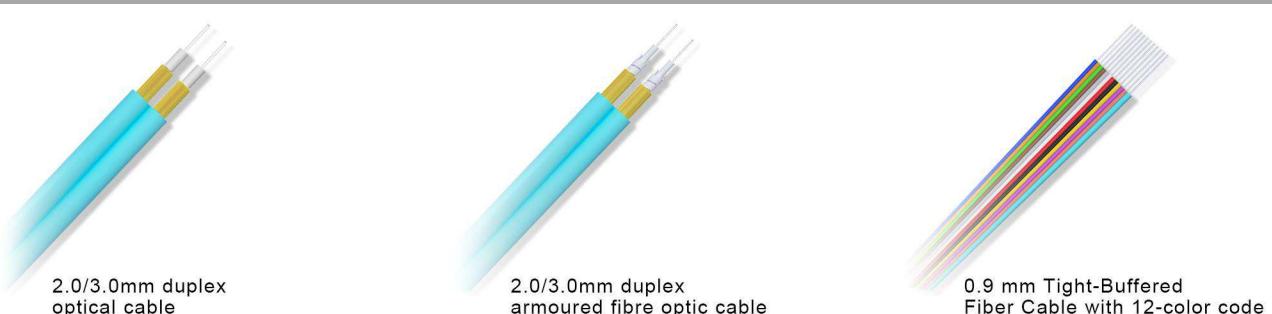


COMMON CABLE STRUCTURES

SINGLE-CORE CABLE SERIES



DUAL-CORE CABLE SERIES



SC CONNECTOR

CODE STANDARDS



SC/UPC Connector



SC/APC Connector

| SCU-BU-D20-GN | | | | | | | | | |
|------------------------------|-----------------|------------|---------------|---------------------|------------|------------|--|--|--|
| CONNECTOR | ENCLOSURE COLOR | | BOOT TYPE(mm) | | BOOT COLOR | | | | |
| SCU SC/UPC Simplex Connector | BU | BLUE | D09 | 0.9 standard | GN | GREEN | | | |
| SCA SC/APC Simplex Connector | GN | GREEN | D20 | 2.0 standard | BU | BLUE | | | |
| DSCU SC/APC Duplex Connector | BG | BEGI | S20 | 2.0 Short Tail Boot | BG | BEGI | | | |
| DSCA SC/UPC Duplex Connector | AQ | AQUA | D30 | 3.0 standard | AQ | AQUA | | | |
| | VT | VIOLET | S30 | 3.0 Short Tail Boot | VT | VIOLET | | | |
| | LM | LIME GREEN | D16 | 1.6 standard | LM | LIME GREEN | | | |
| | | | D12 | 1.2 standard | | | | | |

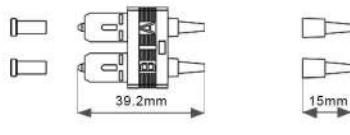
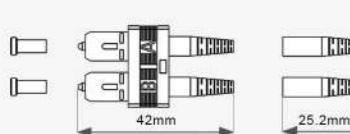
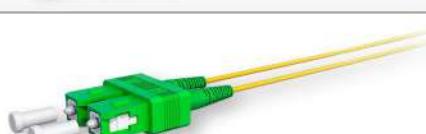
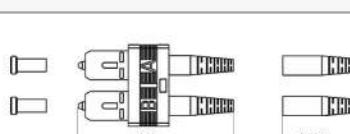
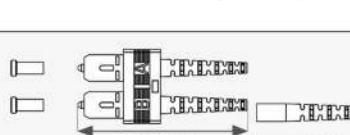
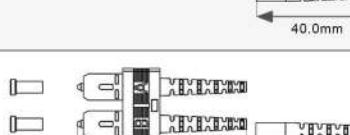
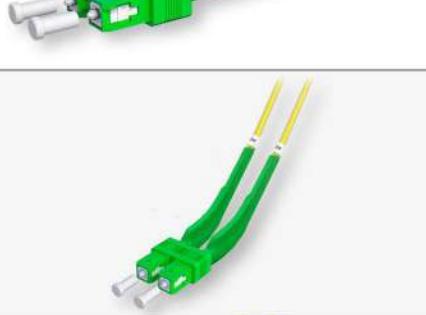
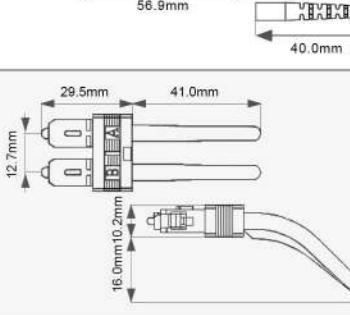
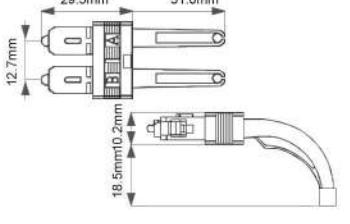
Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-4.
- Can be selected according to the material to meet the UL94 flame retardant standards.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- Insertion/return loss performance not only exceeds the top 10% of industry benchmarks, but also far exceeds the performance requirements of the Grade B interchange test in the IEC 61753-1 standard.

PRODUCT SELECTION (SIMPLEX)

| ADAPTED CABLE OD | BOOT TYPE | PICTURE | ENGINEERING DRAWING |
|-------------------|---------------|---------|---|
| 0.9mm Simplex | Standard Boot | | <p>39.2mm</p> <p>15mm</p> |
| 1.2mm Simplex | Standard Boot | | <p>42mm</p> <p>25.2mm</p> |
| 1.6mm Simplex | Standard Boot | | <p>42mm</p> <p>25.2mm</p> |
| 2.0mm Simplex | Standard Boot | | <p>56.9mm</p> <p>40.0mm</p> |
| 3.0mm Simplex | Standard Boot | | <p>56.9mm</p> <p>40.0mm</p> |
| 2.0/3.0mm Simplex | 45° Angle | | <p>29.5mm</p> <p>42.0mm</p> <p>17.5mm</p> |

PRODUCT SELECTION (DUPLEX)

| ADAPTED CABLE OD | BOOT TYPE | PICTURE | ENGINEERING DRAWING |
|------------------|---------------|---|---|
| 0.9mm Simplex | Standard Boot |  |  39.2mm 15mm |
| 1.2mm Simplex | Standard Boot |  |  42mm 25.2mm |
| 1.6mm Simplex | Standard Boot |  |  42mm 25.2mm |
| 2.0mm Simplex | Standard Boot |  |  56.9mm 40.0mm |
| 3.0mm Simplex | Standard Boot |  |  56.9mm 40.0mm |
| 2.0/3.0mm Duplex | 45° Angle |  |  29.5mm 41.0mm 12.7mm 16.0mm 10.2mm |
| 2.0/3.0mm Duplex | 90° Angle |  |  29.5mm 31.0mm 12.7mm 18.5mm 10.2mm 18.5mm 10.2mm |

COLOR RECOMMENDATION

SM
UPCSM
APCMM
OM1/2MM
OM3/4MM
OM4

// FC CONNECTOR

CODE STANDARDS



FC-APC Connector



FC-UPC Connector



2.0mm Standard Boot

| FC/UPC-MT-D09-GN | | | | | | | |
|------------------|-----------------|---------------|--------------|----|-------|--|--|
| CONNECTOR | ENCLOSURE COLOR | BOOT TYPE(mm) | BOOT COLOR | | | | |
| FC/UPC Connector | ZA ZINC ALLOY | D09 | 0.9 standard | GN | GREEN | | |
| FC/APC Connector | CO COPPER | D12 | 1.2 standard | BU | BLUE | | |
| | | D16 | 1.6 standard | BG | BEGI | | |
| | | D20 | 2.0 standard | AQ | AQUA | | |
| | | D30 | 3.0 standard | BK | BLACK | | |
| | | D46 | 4.6 standard | | | | |

Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-13.
- Can be selected according to the material to meet the UL94 flame retardant standards.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- Insertion/return loss performance not only exceeds the top 10% of industry benchmarks, but also far exceeds the performance requirements of the Grade B interchange test in the IEC 61753-1 standard.

// PRODUCT SELECTION

| ADAPTED CABLE OD | BOOT TYPE | PICTURE | ENGINEERING DRAWING |
|------------------|---------------|---------|-----------------------------|
| 0.9mm Simplex | Standard Boot | | <p>29.8mm</p> <p>14.4mm</p> |
| 2.0mm Simplex | Standard Boot | | <p>42.6mm</p> <p>14.4mm</p> |
| 3.0mm Simplex | Standard Boot | | <p>42.6mm</p> <p>14.4mm</p> |

ST CONNECTOR

CODE STANDARDS



ST-APC Connector



ST-UPC Connector



2.0mm Standard Boot

| ST/UPC-MT-D09-GN | | | | | | | |
|-------------------------|-----------------|------------------|------------|--|--|--|--|
| CONNECTOR | ENCLOSURE COLOR | BOOT TYPE(mm) | BOOT COLOR | | | | |
| ST/UPC ST/UPC Connector | ZA ZINC ALLOY | D09 0.9 standard | GN GREEN | | | | |
| ST/APC ST/APC Connector | CO COPPER | D12 1.2 standard | BU BLUE | | | | |
| | | D16 1.6 standard | BG BEGI | | | | |
| | | D20 2.0 standard | AQ AQUA | | | | |
| | | D30 3.0 standard | BK BLACK | | | | |
| | | D46 4.6 standard | | | | | |

Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-2.
- Can be selected according to the material to meet the UL94 flame retardant standards.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- Insertion/return loss performance not only exceeds the top 10% of industry benchmarks, but also far exceeds the performance requirements of the Grade B interchange test in the IEC 61753-1 standard.

PRODUCT SELECTION

| ADAPTED CABLE OD | BOOT TYPE | PICTURE | ENGINEERING DRAWING |
|------------------|---------------|---------|----------------------------|
| 0.9mm Simplex | Standard Boot | | <p>40.77mm</p> <p>23mm</p> |
| 2.0mm Simplex | Standard Boot | | <p>39.2mm</p> <p>15mm</p> |
| 3.0mm Simplex | Standard Boot | | <p>39.2mm</p> <p>15mm</p> |

LSH CONNECTOR



LSH/UPC Connector



LSH/APC Connector



LSH/APC Connector

CODE STANDARDS

E2U-BU-D20-GN

| CONNECTOR | ENCLOSURE COLOR | BOOT TYPE(mm) | BOOT COLOR |
|-----------------------|-----------------|------------------|------------|
| E2U LSH/UPC Connector | BU BLUE | D09 0.9 standard | GN GREEN |
| E2A LSH/APC Connector | GN GREEN | D20 2.0 standard | BU BLUE |
| | BG BEIGE | D30 3.0 standard | BG BEIGE |

Performance:

- Insertion Loss: ≤ 0.3 dB typical for single mode.
- Repeatability: ≤ 0.2 dB.
- Widely used in telecom networks, test equipment, fiber-optic CATV, and LANs (Local Area Networks).
- Return loss: Single-mode:UPC ≥ 50 dB, APC ≥ 60 dB
Multi-mode: ≥ 25 dB
- The dimensional design complies with IEC 61754, GR-326, TIA/EIA 568-B, and YDT 1272.

PRODUCT SELECTION

| ADAPTED CABLE OD | BOOT TYPE | PICTURE | ENGINEERING DRAWING |
|------------------|---------------|---------|---|
| 0.9mm Simplex | Standard Boot | | <p>Technical drawing showing the physical dimensions of the connector. Key dimensions: Total length 31.5mm, Boot length 12.0mm, and body width 26.0mm and 28.0mm.</p> |
| 2.0mm Simplex | Standard Boot | | <p>Technical drawing showing the physical dimensions of the connector. Key dimensions: Total length 31.5mm, Boot length 12.0mm, and body width 26.0mm and 28.0mm.</p> |
| 3.0mm Simplex | Standard Boot | | <p>Technical drawing showing the physical dimensions of the connector. Key dimensions: Total length 31.5mm, Boot length 12.0mm, and body width 26.0mm and 28.0mm.</p> |

LC CONNECTOR

CODE STANDARDS



LC/UPC Connector



LC/APC Connector

| LCU-BU-D20-GN | | | | | | | | | |
|---------------|--------------------------|-----------------|------------|---------------|---------------------|------------|------------|--|--|
| CONNECTOR | | ENCLOSURE COLOR | | BOOT TYPE(mm) | | BOOT COLOR | | | |
| LCU | LC/UPC Simplex Connector | BU | BLUE | D09 | 0.9 standard | GN | GREEN | | |
| LCA | LC/APC Simplex Connector | GN | GREEN | D20 | 2.0 standard | BU | BLUE | | |
| DLCU | LC/APC Duplex Connector | BG | BEGI | S20 | 2.0 Short Tail Boot | BG | BEIGE | | |
| DLCA | LC/UPC Duplex Connector | AQ | AQUA | D30 | 3.0 standard | AQ | AQUA | | |
| | | VT | VIOLET | S30 | 3.0 Short Tail Boot | VT | VIOLET | | |
| | | LM | LIME GREEN | D16 | 1.6 standard | LM | LIME GREEN | | |
| | | | | D12 | 1.2 standard | | | | |

Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-20.
- Can be selected according to the material to meet the UL94 flame retardant standards.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- Insertion/return loss performance not only exceeds the top 10% of industry benchmarks, but also far exceeds the performance requirements of the Grade B interchange test in the IEC 61753-1 standard.

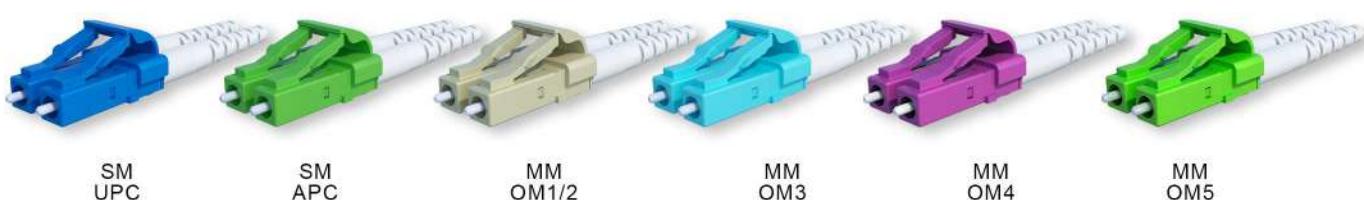
PRODUCT SELECTION (SIMPLEX)

| ADAPTED CABLE OD | BOOT TYPE | PICTURE | ENGINEERING DRAWING |
|-------------------|---------------|---------|---------------------|
| 0.9mm Simplex | Standard Boot | | |
| 1.2mm Simplex | Standard Boot | | |
| 1.6mm Simplex | Standard Boot | | |
| 2.0mm Simplex | Standard Boot | | |
| 3.0mm Simplex | Standard Boot | | |
| 2.0/3.0mm Simplex | 45° Angle | | |

PRODUCT SELECTION (DUPLEX)

| ADAPTED CABLE OD | BOOT TYPE | PICTURE | ENGINEERING DRAWING |
|------------------|---------------|---------|---------------------|
| 0.9mm Duplex | Standard Boot | | |
| 1.2mm Duplex | Standard Boot | | |
| 1.6mm Duplex | Standard Boot | | |
| 2.0mm Duplex | Standard Boot | | |
| 3.0mm Duplex | Standard Boot | | |
| 2.0/3.0mm Duplex | 45° Angle | | |
| 2.0/3.0mm Duplex | 90° Angle | | |

COLOR RECOMMENDATION

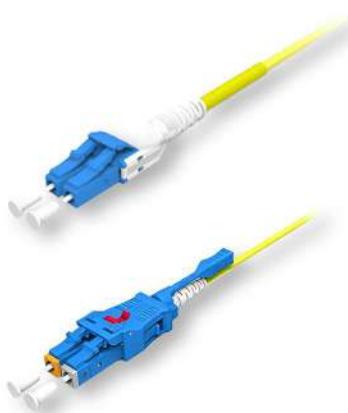


LC/UNIBOOT CONNECTOR

CODE STANDARDS

LCU-BU-D20-GN

| CONNECTOR | ENCLOSURE COLOR | BOOT TYPE(mm) | BOOT COLOR |
|-----------------------|-----------------|------------------|------------|
| LCU UNIBOOT Connector | BU BLUE | D20 2.0 standard | WH WHITE |
| | GN GREEN | D30 3.0 standard | |
| | BG BEIGE | | |
| | AQ AQUA | | |



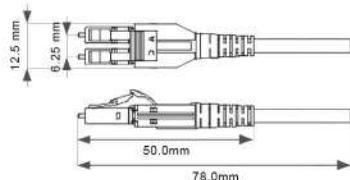
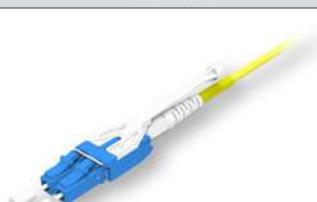
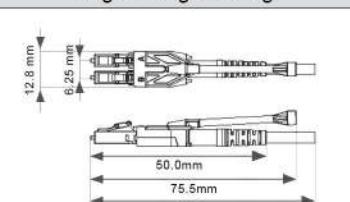
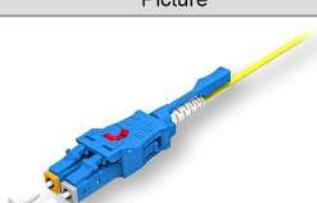
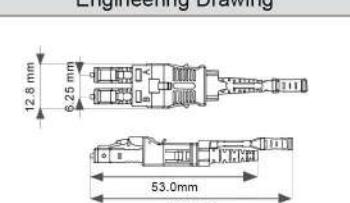
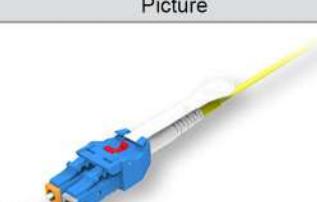
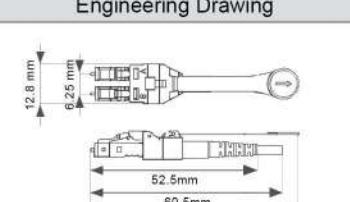
LC/UNIBOOT Connector

Performance:

- The Uniboot connector utilises single-tube dual-core optical cables, facilitating cable management and enhancing thermal dissipation within cabling systems.
- Available in push-pull variants, the pull rod enables straightforward insertion or removal of patch cords.

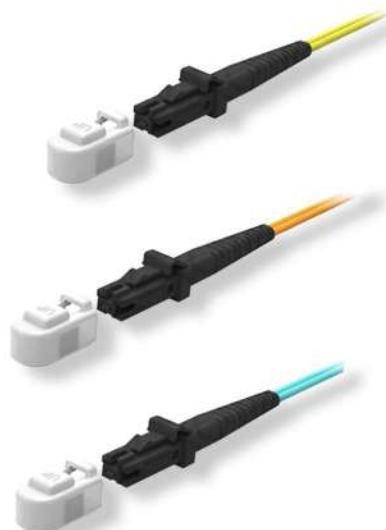
- Its structural design permits effortless interchangeability of fibre polarity.

ORDERING INFORMATION

| Function | | Push-Pull | Changeable polarity |
|----------|-----------------------|---|---|
| Type | Matching the cable OD | Picture | Engineering Drawing |
| Style 1 | 2.0/3.0mm |  |  |
| Style 2 | 2.0/3.0mm |  |  |
| Style 3 | 2.0mm |  |  |
| Style 4 | 3.0mm |  |  |

MTRJ CONNECTOR

CODE STANDARDS



MTRJ Connector

| MT2-BK-D09-BK | | | |
|----------------------------|-----------------|---------------------------|------------|
| CONNECTOR | ENCLOSURE COLOR | BOOT TYPE(mm) | BOOT COLOR |
| MT2 2-fibre MTRJ connector | BK BLACK | B18 Flat-tailed 1.8 x 3.6 | BK BLACK |
| MT4 4-fibre MTRJ connector | | Y30 3.0 Round Tail | |

Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-24.
- Can be selected according to the material to meet the UL94 flame retardant standards.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- Insertion/return loss performance not only exceeds the top 10% of industry benchmarks, but also far exceeds the performance requirements of the Grade B interchange test in the IEC 61753-1 standard.

PRODUCT SELECTION

STRUCTURE



2-core

4-core

| ADAPTED CABLE OD | BOOT TYPE | PICTURE | ENGINEERING DRAWING |
|------------------|---|---------|---------------------|
| 1.8x3.6mm | Flat Terminal for 2x1.8mm Tight-Buffered Fiber Optic Cable | | |
| 3.0mm | Round Terminal for 3.0mm Tight-Buffered Fiber Optic Cable (Single Tube, 2 or 4 Fiber) | | |

SN CONNECTOR

CODE STANDARDS

SN Connector
UPC with Flex Angle BootSN Connector
APC for 1.6mm/2.0mm Cable

| SNA-BU-D20-WH | | | |
|----------------------|-----------------|--------------------------------|------------|
| CONNECTOR | ENCLOSURE COLOR | BOOT TYPE(mm) | BOOT COLOR |
| SNA SN/APC connector | BU BLUE | D20 1.6-2.0 Push-Pull Standard | WH WHITE |
| SNU SN/UPC connector | GN GREEN | | |
| AQ AQUA | | | |

Performance:

- Sun Conec's connectors strictly follow the test standards of Telcordia GR-326-CORE.
- Designed to exceed the requirement of Verizon FOCTPR 9409 requirements.
- The dimensional design complies with IEC 61754-13.
- Unique push-pull boot for simple installation and removal.
- The use of our different ferrule types (Premium, Super premium, Ultra premium) enables performance matching from standard to high and ultra-high performance interconnection requirements.
- IEC random mating Grade B.
- Effective size reduction compared to LC Duplex.

OPTICAL DATA

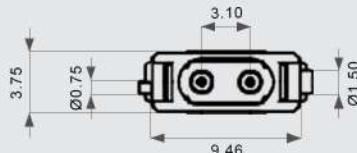
| | Singlemode | | | | Multimode |
|-----------------------------|------------------------|------------|------------------------|------------|-----------|
| | UPC | | APC | | MM |
| | SM Premium Low Loss | SM Premium | SM Premium Low Loss | SM Premium | Premium |
| Typical Insertion Loss (dB) | 0.05 | 0.08 | 0.07 | 0.12 | 0.05 |
| Max. Insertion Loss (dB) | 0.15 | 0.20 | 0.15 | 0.25 | 0.15 |
| Typical Return Loss (dB) | ≥55 | | ≥65 | | ≥25 |
| Ferrule Diameter (μm) | 125.5 | | | | 127 |

Note: Based on master grade jumper to low loss random mating test.

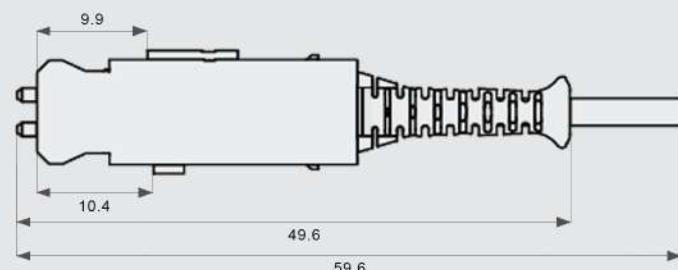
| | Value |
|-----------------------|----------------|
| Operating Temperature | -40°C to +75°C |
| RoHS Compliance | Yes |
| REACH Compliance | Yes |
| Free of Halogen | Yes |
| Humidity Resistance | 95% |

1-CHANNEL CONNECTOR DRAWING

Front View



Side View



Note: All dimensions are in mm

MDC CONNECTOR

CODE STANDARDS



MDC/UPC Connector



MDC/APC Connector

| CONNECTOR | | ENCLOSURE COLOR | BOOT TYPE(mm) | BOOT COLOR |
|-----------|------------------|-----------------|---------------|----------------------|
| MD/UPC | MD/UPC connector | BU | BLUE | D20 2.0 End Standard |
| MD/APC | MD/APC connector | GN | GREEN | |
| | | AQ | AQUA | |

Performance:

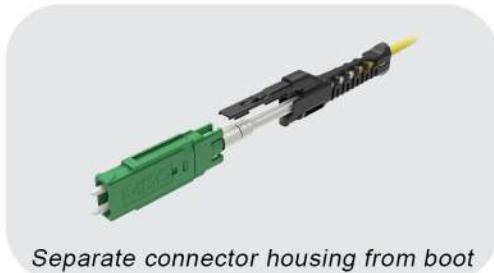
- 3x fiber cabling density over LC connectors, providing 216 duplex connectors (432 fibers) within 1 RU.
- DirectConec™ push-pull boot for effortless connector insertion and extraction.
- Simple polarity reversal with no exposed fibers.
- Meets IEC Attenuation Grade B random mating requirements (0.12 dB mean, 0.25 dB maximum for $\geq 97\%$ of the connectors).
- Telcordia GR-326 and TIA-568 compliant.
- Designed for cables up to 2.0mm OD.
- Multi-mode, Singlemode and Singlemode APC available.

OPTICAL DATA

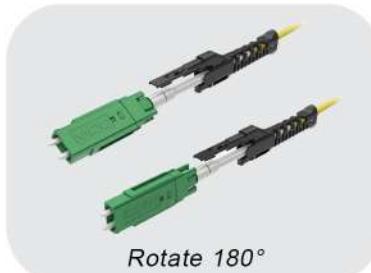
| | Singlemode | | | | Multimode |
|------------------------------------|------------------------|------------|------------------------|------------|-----------|
| | UPC | | APC | | MM |
| | SM Premium Low Loss | SM Premium | SM Premium Low Loss | SM Premium | Premium |
| Typical Insertion Loss (dB) | 0.10 | 0.12 | 0.10 | 0.12 | 0.12 |
| Max. Insertion Loss (dB) | 0.15 | 0.25 | 0.15 | 0.25 | 0.15 |
| Typical Return Loss (dB) | ≥ 55 | | ≥ 65 | | ≥ 25 |
| Ferrule Diameter (μm) | 125.5 | | | | 127 |

Note: Based on master grade jumper to low loss random mating test.

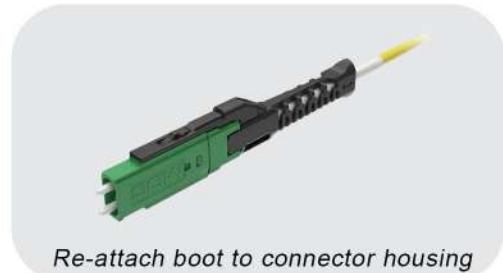
POLARITY REVERSAL PROCESS



Separate connector housing from boot



Rotate 180°

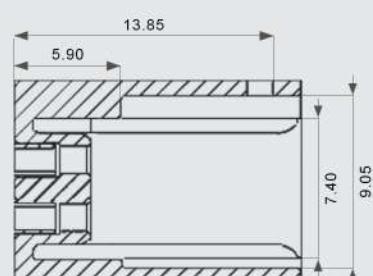


Re-attach boot to connector housing

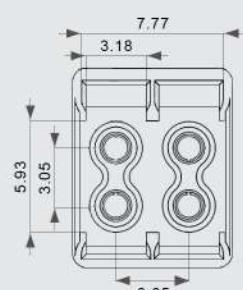
Quick and Simple Polarity Reversal

The polarity reversal of the MDC connector is effortless and does not expose or twist delicate fibers during the process. To change polarity, pull the boot from the connector housing, rotate the boot 180 degrees, and reassemble the boot assembly back onto the connector housing. Polarity marks on the top and side of the connector and the MDC logo provide notification of reversed connector polarity.

Front View



Side View



Note: All dimensions are in mm

LC-WHOOSH CONNECTOR



SUN CONEC's LC-WHOOSH Connector is designed to be air-blown through micro-ducts for fast pre-connectorised FTTH drop applications. The connector's ferrule is blown through the duct before the outer housing and boot are assembled.

Performance:

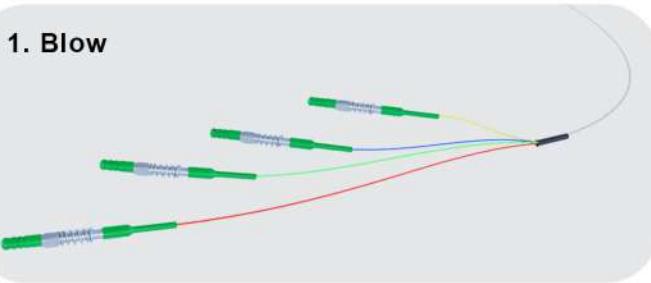
- **Fast Installation**
Connector housing can be assembled in less than 15s.
- **Tensile strength**
400N
- **High Performance**
Unique design achieves and maintains Grade B optical performance.
- **User-Friendly**
reel packaging is convenient to access and install.
- All products can meet random mated grade B. (IEC 61300-3-34)

OPTICAL DATA

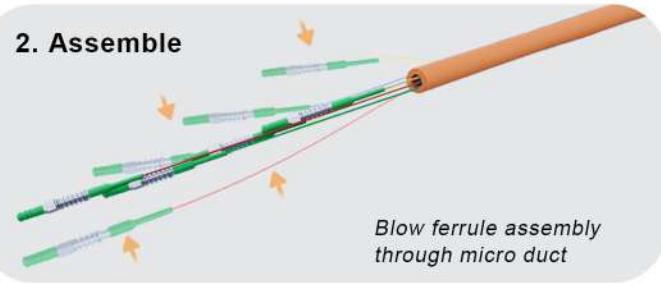
| | Value |
|--|---------|
| Single-core Outer Diameter | ≤ 2.5mm |
| Combined Outer Diameter Of 4 LC Connectors | ≤ 3.0mm |
| Pass Through A Minimum Inner Diameter | ≥ 4.0mm |
| REACH Compliance | Yes |
| Free of Halogen | Yes |
| Humidity Resistance | 95% |

HOW TO INSTALL

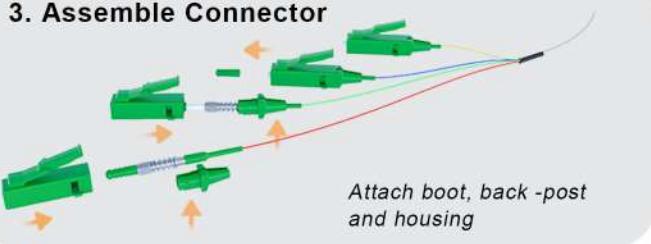
1. Blow



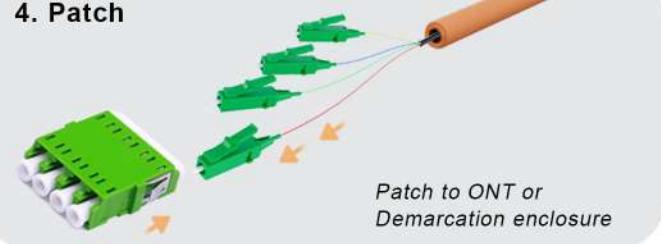
2. Assemble



3. Assemble Connector



4. Patch



Super fast, high performance connector for FTTH DUCT and DROP applications.

LC-ENT CONNECTOR



Performance:

- **Fast Installation**
Easy and fast assembly without special tool.
- **High Performance**
Unique design achieves and maintains Grade B optical performance.
- **User-Friendly**
reel packaging is convenient to access and install.
- **Cost effective.**
- **Easy handling after termination due to connectorization directly to cable.**
- All products can meet random mated grade B.
(IEC 61300-3-34)

Compatible with tubes of ID: 5mm

**Fast Installation**

connector housing can be assembled in less than 10s

**Tensile Strength**

100N
(with pulling connector)

**High Performance**

Unique design achieves **Grade B** optical performance

OPTICAL DATA

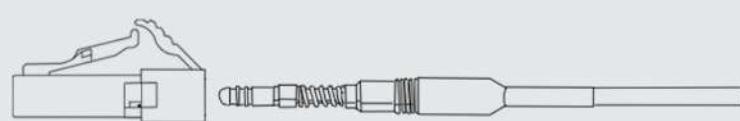
| | Value |
|-----------------------|-----------------|
| Outer Diameter | ≤ 2.5mm |
| Inner Diameter | ≤ 3.0mm |
| Interstion Loss dB | Typical ≤ 0.3 |
| Return Loss | Typical ≥ 45 |
| Operating Temperature | -40~+75oC |
| Humidity Resistance | 95% |
| REACH Compliance | Yes |
| Qualification | TIA/EIA 568-B.3 |

1-CHANNEL CONNECTOR DRAWING

Front View



Side View



Note: All dimensions are in mm

WEATHERPROOF CONNECTOR



The Weatherproof Connector is SUN CONEC's flagship connectivity solution designed for outdoor applications and harsh environments. The high optical performance is paired with ergonomic mechanics for quick and easy installations.

Performance:

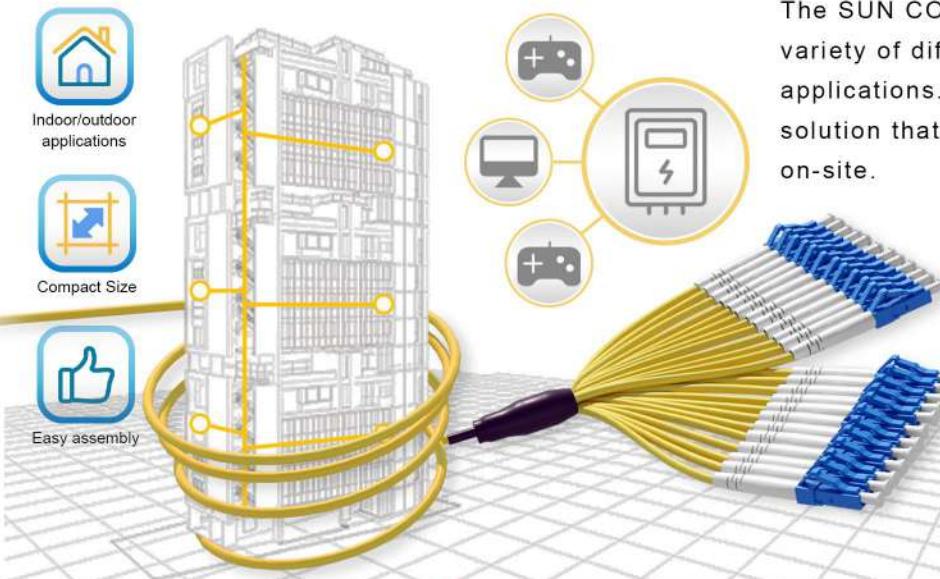
- IP water immersion and dust protection for harsh environment.
- Cost effective solution for in house termination.
- Chemical Resistance.
- Easily adapts to both wall-penetration and butt-joint applications.
- The spiral bayonet design provides a lasting and reliable connection.

OPTICAL DATA

| TYPICAL CHARACTERISTICS | LC | | SC | | MPO | | MPO(PUSH-PULL) | |
|--------------------------|--------------|-------|--------|-------|-------------|------------|----------------|------------|
| | SM | MM | SM | MM | SM | MM | SM | MM |
| Interstion Loss(Max) | 0.2dB | 0.2dB | 0.2dB | 0.2dB | 0.35dB | 0.3dB | 0.7dB | 0.5dB |
| Interstion Loss(Average) | 0.08dB | 0.1dB | 0.08dB | 0.1dB | 0.1dB | 0.08dB | 0.2dB | 0.1dB |
| Return Loss | 55dB | NA | 55dB | NA | 60dB(Angle) | 25dB(Flat) | 60dB(Angle) | 25dB(Flat) |
| Durability | 50matings | | | | | | | |
| Operating Temperature | -40°~+75° | | | | | | | |
| IP Rating | IP-68 | | | | | | | |
| Pull Force | 100lbs | | | | | | | |
| Material | UV resistant | | | | | | | |

| | PICTURE | ENGINEERING DRAWING |
|-------------------------|---------|---------------------|
| Docking Status | | |
| State Switching Process | | |
| Wall-Penetration Status | | |

INDOOR RC FAN-OUT KIT



The SUN CONEC Indoor fan-out range offer a variety of different layout options for most indoor applications. They are cost effective, time saving solution that eliminates the need for splicing on-site.

Performance:

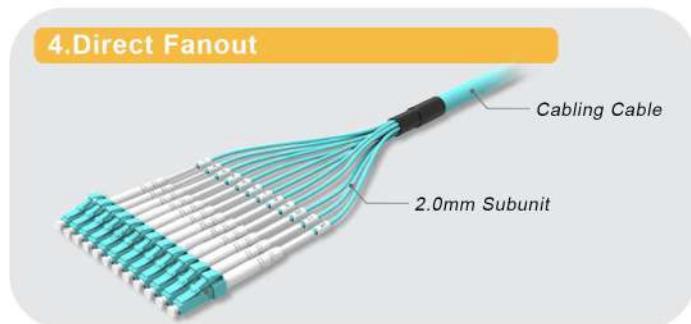
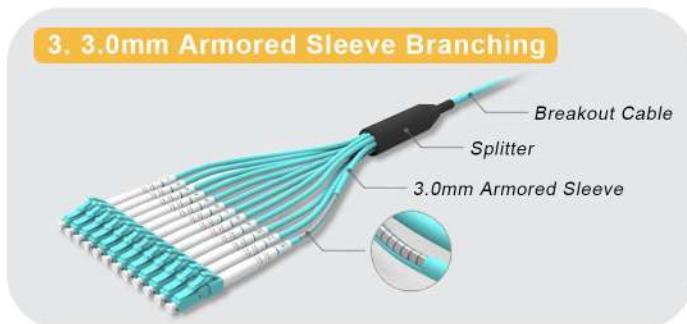
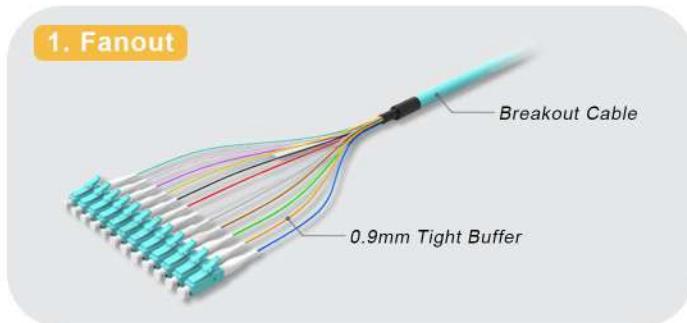
- For indoor breakout application.
- Light Weight, Snap-together Molded Construction.
- Maximum Fan-Outs According to Media Type(x48).
- High performance low loss.
- Chemical Resistance.

OPTICAL DATA

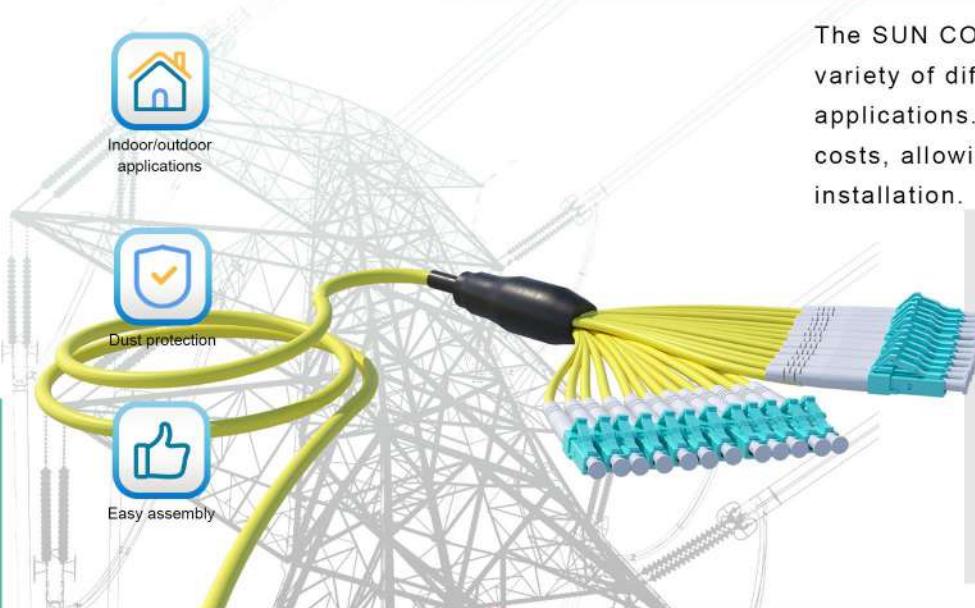
SPECIFICATIONS

| | |
|------------------------------|--|
| Mounting | Hose Clip / Cable Tie |
| Number of Fibers | 12 to 228 (Note: According to Media Type 2.0mm or 900um) |
| Suitable for Connector Types | LC, SC, FC, ST, MU |
| Dimensions | 56mm x 15mm (Excluding cable gland) |
| Feeder Cable OD range | 2-6mm |
| Operating Temperature (°C) | -40 to +85 |
| Fan-out cable Retention | >15lbs (>66N) |
| Feeder Cable Retention | 100lbs (450N) |

BRANCH STRUCTURE DISPLAY



OUTDOOR FAN-OUT KIT



The SUN CONEC Outdoor fan-out range offer a variety of different layout options for most indoor applications. They enable less cabling and lower costs, allowing for quick and cost-effective installation.

Performance:

- For outdoor breakout application.
- Helps to make installation simple, quick, and cost effective.
- UV resistance for outdoor applications.
- High performance low loss.
- Chemical Resistance.

OPTICAL DATA

SPECIFICATIONS

| | |
|------------------------------|--|
| Mounting | Hose Clip / Cable Tie |
| Number of Fibers | 12 to 228 (Note: According to Media Type 2.0mm or 900um) |
| Suitable for Connector Types | LC, SC, FC, ST, MU |
| Dimensions | 56mm x 15mm (Excluding cable gland) |
| Feeder Cable OD range | 2-6mm |
| Operating Temperature (°C) | -40 to +85 |
| Fan-out cable Retention | >15lbs (>66N) |
| Feeder Cable Retention | 100lbs (450N) |

BRANCHING METHOD

